00001793
58925

CITY OF ELKHART, INDIANA
INDUSTRIAL WASTE QUESTIONNAIRE

SECTION A. GENERAL INFORMATION (Type or Print, Please)

1. Company Name ELKHART BRASS MFG. CO., INC.

2. Mailing Address P.O. BOX 1127

3. Address of Premises 1302 WEST BEARDSLEY AVENUE

4. Name and Title of Signing Official WARREN DEFERBRACHE, CHIEF I.E./MAINT. SUPVR.

5. Wastewater discharges to:

   City sewer system X

   Private septic system _____

6. If your facility discharges to the City sewer system, check the types of discharges:

   X Sanitary ___ Wash water ___ Rinse water

   ___ Cooling water ___ Process water ___ Scrubber water

   ___ Other _____

   Note: If your facility discharges only to a private septic system and not to the City sewer system, or if only sanitary sewage is discharged to the City sewer system, it is only necessary to fill out Section A of this questionnaire. Otherwise, complete entire questionnaire.

7. Contact Official

   Name WARREN DEFERBRACHE

   Title CHIEF I.E./MAINT. SUPVR.

   Address P.O. BOX 1127

   Phone Number 295-8330 EXT. 239 OR 250

The information contained in this questionnaire is familiar to me and to the best of my knowledge and belief, such information is true, complete, and accurate.

12-2-1983 Warren R. DeFerbrache
Date Signature of Official

SECTION B. PRODUCT OR SERVICE INFORMATION

1. Brief description of manufacturing or service activity on premises:

_____

_____

_____

2. Principal Raw Materials Used:

_____

_____

_____

3. Catalysts, Intermediates:

_____

_____

_____

4. Principal Product or Service (use Standard Industrial Classification Manual if appropriate): _____

_____

5. Appended to this questionnaire is a list of Standard Industrial Classification (SIC) codes for industries currently or potentially subject to USEPA pretreatment regulations. List SIC codes for each of your processes that are subject to USEPA pretreatment regulations.

_____

_____

SECTION C. PLANT OPERATIONAL CHARACTERISTICS

1. Type of Discharge: ___ Batch _____ Continuous _____ Both

   For batch discharges, list types, average number of batches/24 hrs. and volume (gallons) per batch. _____

2. Is there a scheduled shutdown? _____

   When? _____

3. Is production seasonal? _____

   If yes, explain indicating months(s) of peak production.

   _____

4. Average number of employees per shift: ___ 1st; ___ 2nd; ___ 3rd

5. Shift start times: _____ 1st; _____ 2nd; _____ 3rd

6. Shifts normally worked each day of the week:

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
1st	____	____	____	____	____	____	____
2nd	____	____	____	____	____	____	____
3rd	____	____	____	____	____	____	____

7. Describe any wastewater treatment equipment or processes in use:

   _____

   _____

   _____

   _____

SECTION D. WATER CONSUMPTION AND LOSS

1. Raw Water Sources:

Source	Quantity
_____	_____ gallons per day
_____	_____ gallons per day
_____	_____ gallons per day
_____	_____ gallons per day

2. Water treatment processes in use:

_____ Chemical coagulation, including use of alum, ferric chloride, polymers, etc.

_____ Lime softening

_____ Resin (ion exchange) water softening

_____ Filtration

_____ Chemical (chlorine or ozone) disinfection

_____ Others _____

_____

3. List Water Consumption in Plant:

Cooling Water	_____	gallons per day
Boiler Feed	_____	gallons per day
Process Water	_____	gallons per day
Sanitary System*	_____	gallons per day
Contained in Product	_____	gallons per day
Other ( )	_____	gallons per day

*Sanitary flow can be estimated at 10 gpd per employee.

4. List average volume of discharge or water loss to:

City Wastewater Sewer	_____	gallons per day
Septic Tank Discharge	_____	gallons per day
Surface Discharge	_____	gallons perday
Waste Hauler	_____	gallons per day
Evaporation	_____	gallons per day
Contained in Product	_____	gallons per day

5. Is Discharge to Sewer: _____ Intermittent _____ Steady

6. List average water usage for SIC Processes itemized in Section B-5 above:

Regulated SIC No.	Brief Process Description	Average Water Consumption(GPD)

SECTION E. SEWER CONNECTION AND DISCHARGE INFORMATION

1. List plant sewer outlets and flow: (assign sequential reference number to each sewer starting with No. 1).

Reference No.	Descriptive Location of Sewer Connection or Discharge Point	Avg. Flow (gpd)

2. Attach a scaled drawing or dimensioned sketch of the industrial complex showing location of sewer referenced in E-1 above and location of the SIC process described in Section D-5. Show location of monitoring manhole, if any, and other possible sampling points for sewers and SIC process effluents. Indicate how City industrial monitoring staff can gain access to the sampling points. For reference and field orientation buildings, streets, alleys, and other pertinent physical structures should be included.

3. Is plant required to prepare a Spill Prevention Control and Countermeasure (SPCC) Plan per 40 CFR 112 or a RCRA Contingency Plan?
_____ If report has been prepared, attach copy. Copy attached.
_____ If report is required, but has not yet been prepared, indicate date when it will be submitted. _____

SECTION F. PRIORITY POLLUTANT INFORMATION

1. Please indicate by placing an "X" in the appropriate box by each listed chemical whether it is Suspected to be Absent, Known to be Absent, Suspected to be Present, or Known to be Present in your manufacturing or service activity or generated as a byproduct. Some compounds are known by other names. Please refer to Appendix A for those compounds which have an asterisk(*).

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT	ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT
1.	ammonia					47.	chlorobenzene				
2.	asbestos (fibrous)					48.	chloroethane*				
3.	cyanide (total)					49.	2-chloroethylvinyl ether				
						50.	chloroform*				
4.	antimony (total)					51.	chloromethane*				
5.	arsenic (total)					52.	2-chloronaphthalene				
6.	beryllium (total)					53.	2-chlorophenol*				
7.	cadmium (total)					54.	4-chlorophenylphenyl ether				
8.	chromium (total)					55.	chrysene*				
9.	copper (total)					56.	4,4'-DDD*				
10.	lead (total)					57.	4,4'-DDE*				
11.	mercury (total)					58.	4,4'-DDT*				
12.	nickel (total)					59.	dibenzo(a,h)anthracene*				
13.	selenium (total)					60.	dibromochloromethane*				
14.	silver (total)					61.	1,2-dichlorobenzene*				
15.	thallium (total)					62.	1,3-dichlorobenzene*				
16.	zinc (total)					63.	1,4-dichlorobenzene*				
						64.	3,3'-dichlorobenzidine				
17.	acenaphthene					65.	dichlorodifluoromethane*				
18.	acenaphthylene					66.	1,1-dichloroethane*				
19.	acrolein					67.	1,2-dichloroethane*				
20.	acrylonitrile					68.	1,1-dichloroethene*				
21.	aldrin					69.	trans-1,2-dichloroethene*				
22.	anthracene					70.	2,4-dichlorophenol				
23.	benzene					71.	1,2-dichloropropane*				
24.	benzidine					72.	(cis & trans)1,3-dichloropropene*				
25.	benzo(a)anthracene*										
26.	benzo(a)pyrene*					73.	dieldrin				
27.	benzo(b)fluoranthene					74.	diethyl phthalate*				
28.	benzo(g,h,i)perylene*					75.	2,4-dimethylphenol*				
29.	benzo(k)fluoranthene*					76.	dimethyl phthalate				
30.	a-BHC (alpha)					77.	di-n-butyl phthalate				
31.	b-BHC (beta)					78.	di-n-octyl phthalate*				
32.	d-BHC (delta)					79.	4,6dinitro-2-methylphenol*				
33.	g-BHC* (gamma)					80.	2,4-dinitrophenol				
34.	bis(2-chloroethyl)ether*					81.	2,4-dinitrotoluene				
35.	bis(2-chloroethoxy)methane*					82.	2,6-dinitrotoluene				
36.	bis(2-chloroisopropyl)ether*					83.	1,2-diphenylhydrazine*				
37.	bis(chloromethyl)ether*					84.	endosulfan I*				
38.	bis(2-ethylhexyl)phthalate*					85.	endosulfan II*				
39.	bromodichloromethane*					86.	endosulfan sulfate				
40.	bromoform*					87.	endrin				
41.	bromomethane*					88.	endrin aldehyde				
42.	4-bromophenylphenyl ether					89.	ethylbenzene				
43.	butylbenzyl phthalate					90.	fluoranthene				
44.	carbon tetrachloride*					91.	fluorene*				
45.	chlordane					92.	heptachlor				
46.	4-chloro-3-methylphenol*					93.	heptachlor epoxide				

SECTION F. PRIORITY POLLUTANT INFORMATION (CON'T)

ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT	ITEM NO.	CHEMICAL COMPOUND	SUSPECTED ABSENT	KNOWN ABSENT	SUSPECTED PRESENT	KNOWN PRESENT
94.	hexachlorobenzene*					112.	PCB-1248*				
95.	hexachlorobutadiene					113.	PCB-1254*				
96.	hexachlorocyclopenta-diene*					114.	PCB-1260*				
						115.	pentachlorophenol				
97.	hexachloroethane*					116.	phenanthrene				
98.	indeno(1,2,3-cd)pyrene*					117.	phenol				
99.	isophorone*					118.	pyrene				
100.	methylene chloride*					119.	2,3,7,8-tetrachlorodi-benzo-p-dioxin*				
101.	naphthalene										
102.	nitrobenzene					120.	1122-tetrachloroethane*				
103.	2-nitrophenol*					121.	tetrachloroethene*				
104.	4-nitrophenol*					122.	toluene*				
105.	n-nitrosodimethylamine*					123.	toxaphene				
106.	n-nitrosodipropylamine*					124.	1,2,4-trichlorobenzene				
107.	n-nitrosodiphenylamine*					125.	1,1,1-trichloroethane*				
108.	PCB-1016*					126.	1,1,2-trichloroethane*				
109.	PCB-1221*					127.	trichloroethene*				
110.	PCB-1232*					128.	trichlorofluoromethane*				
111.	PCB-1242*					129.	2,4,6-trichlorophenol				
						130.	vinyl chloride*				

2. For chemical compounds in F-2 above which are indicated to be "Known Present," please list and provide the following data for each: (attach additional sheets if needed).

ITEM NO.	CHEMICAL COMPOUND	ANNUAL USAGE (LBS)	ESTIMATED LOSS TO SEWER LBS./YR.	ITEM NO.	CHEMICAL COMPOUND	ANNUAL USAGE (LBS)	ESTIMATED LOSS TO SEWER LBS./YR.

3. List any other chemicals known or anticipated to be present in the discharge.

4. Describe, what if any, laboratory analyses have been conducted on process waste streams in the plant, including which streams were sampled, what parameters were measured, and frequency and type of samples. (The baseline report referred to in G2 below can be referenced in answering this question.)

SECTION G. PRETREATMENT

1. Is this plant subject to an existing Pretreatment Standard?

2. Is this plant required to submit a baseline report per 40 CFR 403.12? _____ If a baseline report has been prepared, attach a copy to this questionnaire. Copy attached. _____ If a baseline report is required, but has not yet been prepared, indicate date that it will be submitted. _____

3. If subject to Federal Pretreatment Standards, are the standards being met on a consistent basis? (The baseline report can be referred to in answering this question.)

4. Are additional pretreatment facilities and/or operation and maintenance required to meet Pretreatment Standards? If additional pretreatment and/or operation and maintenance are required, list the schedule by which they will be provided. (The baseline report can be referred to in answering this question.)

5. Describe residuals (sludges, precipitates, etc.) that are produced or result at your facility and the methods employed to dispose of the residuals. List names of waste haulers, if applicable.

TRAMP OIL AND DEGREASER SLUDGE

GOLD SHIELD SOLVENTS
2263 DISTRIBUTORS DRIVE
INDIANAPOLIS, IN 46241

E. S. A. INDUSTRIAL WASTE SURVEY
PRELIMINARY ANALYSIS
SHEET

Map Loc. # _____
No. of Samples 1
Type of Sample composite
Hrs. of Sampling 24
No. of Sample Points 1

Date 8-16-83
Sampling Point #1 ELKHART BRASS
Inv. to P.O. Box 1127
Elkhart, Ind. 46515

Parameters	Analyze For	Parameters	Analyze For
pH	8.4	Arsenic	
BOD (5 day)	41	Cadmium	*.10
COD		Chromium hexavalent	
Chlorine Demand		Chromium total	*.10
Color		Copper	.5
Total Solids		Lead	*.10
TSS	26	Iron	
Settleable Solids		Manganese	
Grease & Oil		Mercury	
Phenols		Nickle	*.10
Chloride		Zinc	.59
Sulfate			
Sulfides			
Total Phosphorus	.30		
Cyanide			
T.O.C.			
Ammonia Nitrogen			

E. S. A. INDUSTRIAL WASTE SURVEY
PRELIMINARY ANALYSIS
SHEET

Map Loc. # _____
No. of Samples 1
Type of Sample composite
Hrs. of Sampling 24
No. of Sample Points 1

Date 8-17-83
Sampling Point #1 ELKHART BRASS

Parameters	Analyze For	Parameters	Analyze For
pH	7.4	Arsenic	
BOD (5 day)	12	Cadmium	*.10
COD		Chromium hexavalent	
Chlorine Demand		Chromium total	*.10
Color		Copper	*.10
Total Solids		Lead	*.10
TSS	32	Iron	
Settleable Solids		Manganese	
Grease & Oil		Mercury	
Phenols		Nickle	*.10
Chloride		Zinc	*.10
Sulfate			
Sulfides			
Total Phosphorus	.50		
Cyanide			
T.O.C.			
Ammonia Nitrogen			

00001805

R. D. INGRAHAM, Manager

CITY OF ELKHART
JAMES P. PERRON, Mayor

WASTEWATER TREATMENT PLANT
1201 South Nappanee Street
Elkhart, Indiana 46516
(219) 293-2572

May 9, 1986

Mr. Warren DeFerbrache
Elkhart Brass Mfg. Co., Inc.
P.O. Box 1127
Elkhart, Ind. 46515

Dear Mr. DeFerbrache:

This is in response to your verbal request to Mr. Larry Pozgay to discharge water from two underground tanks into the City sewer system.

Based on the test results of this water which you submitted, the Wastewater Treatment Plant would be happy to accept the discharge from the 20,000 gallon tank which contained no Volatile Organic Compounds at detectable levels.

We are unable, however, to accept the discharge at this time from the 12,000 gallon tank due to the presence of various toxic substances. We would suggest that Elkhart Brass contract a licensed hazardous waste hauler to remove this waste. This would protect the Wastewater Treatment Plant from receiving any hazardous waste and would provide Elkhart Brass with certification that the waste was disposed of in the proper manner.

We would like to thank Elkhart Brass for their co-operation with the City in this matter. Please contact either Mr. Pozgay or me should you have any questions or comments. Thank you.

Sincerely,

David A. Bates
Pretreatment Director

COPIES: R. D. Ingraham
Larry Pozgay

EIS ENVIRONMENTAL ENGINEERS, INC.
1701 North Ironwood Drive • South Bend, Indiana 46635 • Telephone (219) 277-5715

VOLATILE ORGANIC COMPOUND (VOC) ANALYSIS REPORT

Client: Elkhart Brass
c/o Warren R. Deferbrache
P.O. # 04463
Sample ID: Project Number 1268-02

1) Underground Tank #1 20000 gallons
2) 12000 gallon Tank #2

Date Reported: 5-1-86
EIS Lab No.: 1639F, 1640F
Sample Date: 4-29-86
Date Received: 4-29-86
Date Analyzed: 4-30-86
Samples Received
Refrigerated: Yes ___ No___
In 40cc Vials: Yes ___ No___
Air Space: Yes ___ No___

RESULTS

- The test procedures used for this analysis, and the listing of compounds detectable by these procedures, are described in Table 1 on the reverse side of this report sheet.
- If your sample contained any of the Table 1 Priority Pollutant Volatile Organic Compounds above a Quantifiable Detection Limit of - µg/l, these compounds are reported below. If no Table 1 Volatile Organic Compounds were detected, then a statement to this effect is listed below.
- Results are as follows:

20000 Gallon Underground Tank

No Volatile Organic Compounds were detected at a Quantifiable Detection Limit of 10 µg/l.

The Ignitability Test resulted in No Flash Point but the sample itself ignited at 139 °F.

12000 Gallon Tank

Parameter	Concentration (µg/l)
Ethyl Benzene	95
Toluene	170
Xylenes	570
Multicomponent Residue*	20500
1,1,1-Trichloroethane	180

* Defined as a "species" similar to fuel oil or paint residuals and quantitated using a Toluene standard.

This sample has a Flash Point >162 °F.

Andrea Rozite
LABORATORY DIRECTOR

EIS ENVIRONMENTAL ENGINEERS, INC.
1701 North Ironwood Drive • South Bend, Indiana 46635 • Telephone (219) 277-5715

VOLATILE ORGANIC COMPOUND (VOC) ANALYSIS REPORT

Client: Elkhart Brass
c/o Warren R. Deferbrache
P.O. # 04463
Sample ID: Project Number 1268-02

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Date Reported: 5-1-86
EIS Lab No.: 1639F, 1640F
Sample Date: 4-29-86
Date Received: 4-29-86
Date Analyzed: 4-30-86
Samples Received
Refrigerated: Yes ___ No___
In 40cc Vials: Yes ___ No___
Air Space: Yes ___ No___

RESULTS

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Toluene	170
Xylenes	570
Multicomponent Residue*	20500
1,1,1-Trichloroethane	180

* Defined as a "species" similar to fuel oil or paint residuals and quantitated using a Toluene standard.

This sample has a Flash Point >162 °F.

Xylene - haz. substance + waste

Andrea Rozite
LABORATORY DIRECTOR

Toluene - haz. substance + waste
Ethyl Benzene - haz. subst. + priority toxic pollutant
1,1,1 - Haz waste - priority toxic pollutant

TABLE 1

PARTIAL LISTING - VOLATILE ORGANIC COMPOUNDS
SPECIES DETECTABLE USING METHODS STATED BELOW

- - - - - - - - PRIORITY POLLUTANTS - - - - - - - -		- NON PRIORITY POLLUTANTS -
Benzene	1,2-Dichloroethane	Acetone
Bromodichloromethane	1,1-Dichloroethylene	Dichlorodifluoromethane
Bromoform	t-1,2-Dichloroethylene	Methyl Ethyl Ketone
Bromomethane	1,2-Dichloropropane	Methyl Isobutyl Ketone
Carbon Tetrachloride	c-1,2-Dichloropropene	Styrene
Chlorobenzene	t-1,2-Dichloropropene	Trichlrofluoromethane
Chloroethane	Ethyl Benzene	Vinyl Acetate
2-Chloroethylvinyl Ether	Methylene Chloride	Xylene
Chloroform	1,1,2,2-Tetrachloroethane	2-Hexanone
Chloromethane	Tetrachloroethylene	
Dibromochloromethane	1,1,1-Trichloroethane	
1,2-Dichlorobenzene	1,1,2-Trichloroethane	
1,3-Dichlorobenzene	Toluene	
1,4-Dichlorobenzene	Trichloroethylene	
1,1-Dichloroethane	Vinyl Chloride	

REFERENCES

- "Test Methods: Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater" USEPA-600/4-82-057, July 1982, Method 601 and Method 602
- "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" SW-846, July 1982, Methods 5030, 8010, 8020.

ANALYTICAL PROCEDURES

- Purge and Trap, Gas Chromatography is utilized.
- The effluent from the gas chromatographic column is monitored by Photoionization and Hall 700A Electrolytic Conductivity Detectors operating in series.
- Surrogate compounds are added prior to the Purge step to monitor overall system performance. The surrogates also function as Retention Time Standards.
- Quantitation is made by external standards.
- Identification is made by relative retention times and responses to the two in series detectors.

R. D. INGRAHAM, Manager

CITY OF ELKHART
JAMES P. PERRON, Mayor

WASTEWATER TREATMENT PLANT
1201 South Nappanee Street
Elkhart, Indiana 46516
(219) 293-2572

June 6, 1986

Mr. Warren DeFerbrache
Elkhart Brass Mfg. Co., Inc.
P.O. Box 1127
Elkhart, Indiana 46515

Dear Mr. DeFerbrache:

We would like to thank you for your time and consideration in allowing us the opportunity to inspect your facility on this date. We feel that it is very important for the City of Elkhart to work in co-operation with industry to insure the protection of our environment.

The City of Elkhart Pretreatment Staff would like to take this opportunity to thank you and your company for your co-operation and assistance with our Pretreatment Program. Please feel free to contact us with any comments or questions you may have.

Sincerely,

David A. Bates
Pretreatment Director

Larry Pozgay
Laboratory Manager

COPY: R.D. Ingraham

WASTEWATER TREATMENT PLANT
1201 South Nappanee Street
Elkhart, Indiana 46516

00001810

INDUSTRIAL INSPECTION FORM

INDUSTRY Elkhart Brass Mfg. Co., Inc. DATE June 6, 1986

ADDRESS 1302 West Beardsley Ave., Elkhart, Ind

TIME STARTED 1:30 PM TIME COMPLETED 2:00 PM

PURPOSE OF INSPECTION Check process water usage for possible SIU status.

SAMPLE(S) TAKEN-----YES____ NO X TYPE_____

SAMPLE TIME(GRAB):

#1_____	#6_____	#11_____
#2_____	#7_____	#12_____
#3_____	#8_____	#13_____
#4_____	#9_____	#14_____
#5_____	#10_____	#15_____

COMPOSITE SAMPLE FROM_____ TO_____

NOTES: Facility operates two shifts. First shift from 7 AM to 3:30 PM and second shift from 3:30 to 11 PM. Second shift has only about five employees. Foundry works only 1st shift.

Largest water usage is for testing of fire fighting equipment, up to 1000 gpm. Some machines have closed loop non-contact cooling water.

Foundry has no water usage.

All underground storage tanks have been removed from the site and the areas have been concreted over.

Vapor degreaser uses 1,1,1 Trichloroethylene. Newer unit is located on floor area. Old unit was inside of self-contained trench which has sump pump.

It would not appear that this facility would qualify as a Significant Industrial User at this time.

INSPECTION AND/OR SAMPLING BY Dave Bates/Larry Pozgay DB LRP